MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

NOVEMBER, 1938

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

NOVEMBER 1938
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.5	61.2	61.1	61.3	27.5	21.4	25.5	23.6	23.3	24.1
2	0.0	59.5	0.8	0.1	26.7	19.5	25.7	25.7	24.4	25.3
3	3.1	61.1	1.8	1.3	24.6	18.4	19.4	21.3	23.1	21.3
4	1.9	0.6	0.2	0.9	24.4	15.0	21.9	23.8	22.2	22.6
5	58.7	57.6	57.8	58.0	22.3	14.4	17.0	21.3	17.4	18.6
6	57.0	55.3	55.3	55.9	20.1	12.5	14.7	19.4	14.4	16.2
7	1.0	48.1	49.3	49.5	17.1	10.6	15.7	13.9	15.2	14.9
8	3.1	54.2	55.8	54.4	15.6	10.9	11.1	13.2	11.9	12.1
9	8.5	8.6	60.5	59.2	17.3	11.8	13.4	16.3	13.4	14.4
10	64.3	64.5	5.5	64.8	18.6	13.9	14.1	18.2	16.4	16.2
11	65.7	64.3	64.6	64.9	19.8	14.3	17.6	19.4	17.8	18.3
12	4.8	3.5	4.0	4.1	20.1	16.9	18.2	19.4	16.4	18.0
13	4.6	4.1	4.8	4.5	19.9	13.9	18.3	18.7	16.6	17.9
14	5.1	4.7	4.6	4.8	20.4	15.2	16.9	19.7	16.8	17.8
15	4.8	4.1	4.4	4.4	20.9	15.3	18.4	20.8	17.4	18.9
16	64.5	63.0	63.2	63.6	21.4	16.1	18.8	20.7	17.7	19.1
17	2.8	1.5	2.0	2.1	21.3	15.9	19.0	20.9	18.2	19.4
18	2.8	2.6	4.3	3.2	20.2	14.4	18.3	19.4	16.6	18.1
19	6.7	7.0	7.8	7.2	19.4	14.2	17.7	18.8	16.3	18.6
20	8.6	6.5	4.5	6.5	20.1	14.6	17.2	19.7	18.3	18.4
21	66.5	65.4	64.8	65.6	20.2	14.7	18.4	19.5	18.4	18.7
22	4.0	2.9	2.8	3.2	20.2	14.9	18.1	19.7	17.4	18.4
23	3.1	2.6	3.0	2.9	20.6	15.3	19.1	19.4	16.9	18.5
24	4.1	3.7	4.3	4.0	20.0	15.6	17.9	19.7	16.9	18.2
25	3.8	2.3	1.9	2.7	20.0	15.2	18.0	19.1	17.1	18.1
26	62.2	61.7	62.6	62.2	21.1	15.0	18.7	20.5	16.6	18.6
27	3.8	3.3	3.8	3.6	19.3	14.9	16.6	18.3	15.8	16.9
28	3.8	2.3	3.1	3.1	20.4	15.7	16.1	18.8	16.6	17.2
29	2.5	1.6	2.5	2.2	20.7	15.6	17.7	19.9	17.2	18.3
30	4.2	3.9	5.1	4.4	19.6	14.6	18.3	19.4	16.6	18.1
	762.58	761.72	762.21	762.15	20.66	15.02	17.93	19.62	17.44	18.33

Barometer, range for month 748.1 mm.–768.6 mm.
,, 50-yr. average for month 763.25 mm.
Thermometer, range for month 10.6 C.—27.5° C.
,, 50-yr. average for month 15.91° C.
Rain, total for month 280.152 mm.
,, , 50-yr. average for month 186 94 mm.
,, , total, from Sept. 1st 305.642 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	17.2	14.0	11.2	14.5	71	64	53	63	0.8	150.0	1.524
2	13.8	13.7	11.9	13.1	56	55	52	54	2.0	252.0	0.508
3	13.9	13.8	11.0	12.9	83	74	52	70	3.5	150.0	9.910
4	14.5	15.5	14.7	14.9	73	70	74	72	1.3	300.0	
5	12.5	13.3	13.5	13.1	86	70	91	82	2.5	400.0	41.400
6	11.4	11.5	11.3	11.4	92	69	93	85	0.0	500.0	23.098
7	9.9	11.1	7.8	9.6	75	92	61	76	0.0	700.0	66.550
8	9.3	9.5	9.2	9.3	94	84	89	89	0.0	550.0	62.230
9	10.0	8.9	10.5	9.8	87	65	91	81	0.0	450.0	52.832
10	10.9	11.0	10.9	10.9	91	71	79	80	7.8	300.0	17.780
11	10.8	10.7	10.9	10.8	72	63	72	69	10.0	100.0	
12	10.0	10.3	8.3	9.5	64	59	60	61	10.0	55.0	
13	9.9	10.5	9.2	9.9	63	66	65	65	10.0	50.0	
14	9.0	9.8	8.1	9.0	63	57	57	59	9.9	45.0	
15	9.2	10.7	8.5	9.5	59	59	58	59	9.9	30.0	
16	8.9	11.5	8.9	9.8	55	63	59	59	9.9	70.0	
17	9.1	11.3	10.7	10.3	56	62	69	62	9.5	90.0	
18	11.2	10.3	9.7	10.3	72	61	69	67	8.7	80.0	
19	8.8	10.6	9.7	9.7	48	66	71	62	9.5	180.0	
20	9.3	8.7	9.9	9.3	64	51	63	59	9.7	329.3	
21	9.7	10.0	10.5	10.1	61	60	67	63	8.4	390.2	
22	10.5	10.6	10.0	10.4	68	62	68	66	9.7	466.0	
23	9.4	11.8	11.3	10.8	57	70	78	69	9.3	146.0	
24	10.5	11.7	11.5	11.2	59	68	81	69	7.2	140.2	
25	11.1	13.3	12.3	12.2	72	81	85	79	8.8	239.0	
26	12.6	12.9	11.6	12.4	79	71	82	77	7.9	259.4	
27	12.4	12.1	11.3	11.9	88	78	85	84	7.9	175.0	4.320
28	10.5	11.3	12.2	11.3	78	70	87	78	4.0	225.6	
29	10.9	12.7	12.0	11.9	72	73	82	76	6.1	214.5	
30	11.3	12.3	12.2	11.9	73	73	87	78	8.3	148.7	
	10.95	11.51	10.69	11.06	71.0	67.6	72.7	70.4	6.42	239.53	9.34

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cini	9cuni	8ci	9.0	2s	2e	3e	slight	
2	8cicu	8cu	10cicu	8.7	1e	2e	2e	„	
3	10ni	2ci	8ci	6.7	4s	2n	1n	„	
4	9cuci	9cini	8ci	8.7	1n	2nw	3nw	„	gale & ltng. at night
5	10ni	7ni	10ni	9.0	2e	2sw	4w	„	th. & ltng. at night
6	10ni	10ni	10ni	10.0	3s	3s	5s	slight	th. & ltng. at night*
7	10ni	10ni	5cu	8.3	3s	4se	7sw	mod.	hl. & ltng. gale
8	10ni	10ni	10ni	10.0	3s	5s	3sw	„	
9	10ni	10ni	10ni	10.0	2s	5sw	6sw	„	
10	9cuni	4cu	7cu	6.7	1se	1n	2nw	slight	
11	2cu	1cu	0	1.0	1se	4n	2n	slight	
12	0	0	0	0.0	0	2n	0	„	
13	0	0	0	0.0	1se	2n	1n	calm	
14	0	0	0	0.0	0	3n	1n	slight	
15	0	0	0	0.0	1se	2nw	1n	calm	
16	0	0	0	0.0	1se	2n	1n	calm	
17	0	2cu	8ci	3.3	2s	2n	3w	slight	
18	7cu	2ci	0	3.0	1se	2n	2n	„	
19	0	1cu	0	0.3	1e	2n	2n	calm	
20	3ci	0	0	1.0	1se	3n	2n	slight	
21	4ci	7cuci	0	3.7	1se	5n	3n	slight	
22	9ci	1cu	0	3.3	2e	6n	1n	mod.	
23	0	0	0	0.0	1se	1nw	1n	slight	
24	9ci	3ci	0	4.0	2s	2n	2n	calm	
25	9ci	1ci	0	3.3	1e	1n	1n	„	
26	5cuci	5cuci	2cu	4.0	3s	2n	2n	slight	
27	3cu	0	0	1.0	2s	3n	1n	„	
28	10cuci	3ci	10cuci	7.7	1e	3n	1n	„	
29	8ci	3ci	9ci	6.7	2s	2w	2n	calm	
30	2ci	4cuci	3cu	3.0	2se	2w	1w	„	lunar halo
					48	79	66		
				4.41	1.6	2.6	2.2		

4 8 6

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	6	10	11	0	0	0	2	30
14:30	18	0	2	1	2	2	2	3	0	30
20:30	18	0	2	0	1	3	3	2	1	30
Totals	37	0	10	11	14	5	5	5	3	90

Number of days with rain 10, fog 0, thunderstorms, 2 gale 2.

50 yr. average number of days with rain during month 13.4

* First snow visible on mountains on 6th.